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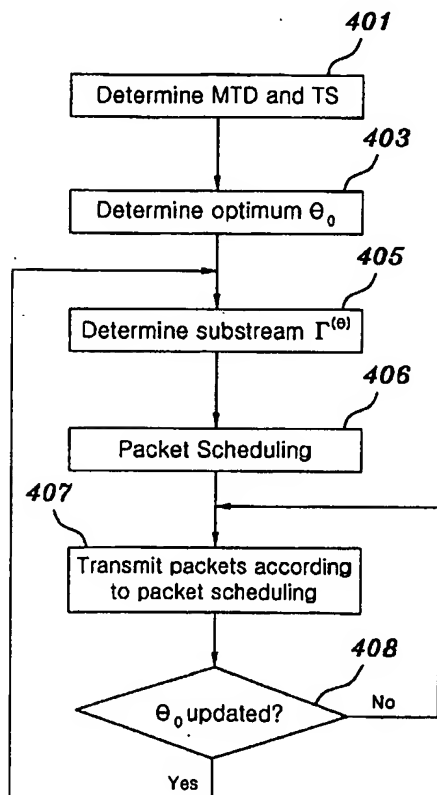
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(54) Title: PACKET SCHEDULING METHOD FOR STREAMING MULTIMEDIA DATA



(57) Abstract: The present invention relates, in general, to streaming technology and, more particularly, to a packet scheduling method for streaming multimedia data. The packet scheduling method of the present invention streams multimedia data by a server in a network. The network includes the server for providing multimedia data divided into picture groups each having a sequence of N pictures, and a terminal for displaying the multimedia data received from the server in a streaming manner. In the packet scheduling method, the sequences of the pictures are divided into motion part packets and texture part packets, and priorities are assigned to the packets according to temporal scaling. A threshold for a predetermined priority is determined in consideration of conditions of a channel and a buffer status of the terminal and a substream is constructed using packets with priorities below the threshold within the respective picture groups. The packets in the constructed substream are sequentially transmitted to the terminal.

INTERNATIONAL SEARCH REPORT

International application No.

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A. CLASSIFICATION OF SUBJECT MATTER

IPC7 H04N 7/12

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7 G06F13/00, H04L12/56, H04N 7/12

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean Patents and applications for inventions since 1975

Korean Utility models and applications for Utility models since 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

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C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US6047000A (THE HONG KONG UNIVERSITY OF SCIENCE & TECHNOLOGY) 04.APRIL.2000 -See the whole document	1-7
A	US6134217A (THE REGENTS OF THE UNIVERSITY OF CALIFORNIA) 17.OCTOBER.2000 -See the whole document	1-7
A	US6262986A (KABUSHIKI KAISHA TOSHIBA) 17.JULY.2001 -See the whole document	1-7
A	US5761417A (INTERNATIONAL BUSINESS MACHINES CORPORATION) 02.JUNE.1998 -See the whole document	1-7

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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